NOV 0 2005

This report is required by law (7 USC 21 43) Failure to report according to the regulations can result in an order to cease and desist and to be subject to penalties as provided for in Section 2150

Set reverse side for additionalinformation

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

1 REGISTRATION NO. 31-R-0028
Customer Number: 234

FORM APPROVED
OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA Include Zip Code)

Case Western Reserve University
10900 Euclid Avenue
Cleveland, OH 44106
Telephone: (216) 368-4432

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITYLOCATIONS (Sites)

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS FORM 7023A)

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	E. Number of animals upon which teaching experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. *(An explanation of the procedures producing pain or distress in those animals and the reasons such drugs were not used must be attached to this report)*	F. TOTAL NO OF ANIMALS (Cols. C + D + E)
4. Dogs	29	4	181	3	188
5. Cats	0	0	11	0	11
6. Guinea Pigs	38	106	248	0	354
7. Hamsters	0	21	0	35	56
8. Rabbits	16	30	274	0	304
9. Non-human Primates	0	0	0	0	0
10. Sheep	0	0	0	0	0
11., Pigs	9	0	212	6	218
12. Other Farm Animals					
12.5 Hamster	35	21	0	0	21
13 Other Animals Gerbil	12	0	0	0	0
14. Ferret	0	0	44	0	44
15. Woodchuck	0	0	9	0	9
16. Chinchilla	0	0	25	0	25

ASSURANCE STATEMENTS

1) Professionally acceptable standards governing the care, treatment, and use of animals including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility

2) Each principal investigator has considered alternatives to painful procedures.

3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary **of all such exceptions is attached to this annual report.** In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4) The attending veterinarianfor this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

b6, b7c

DATE SIGNED 11/1/05

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88) which is obsolete

b6,b7c

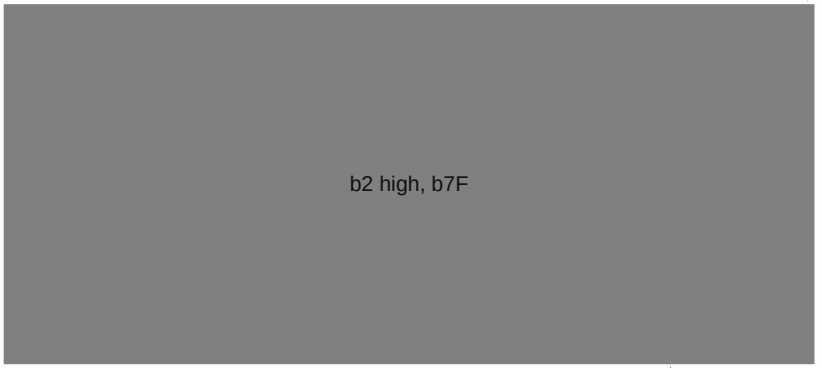
APHIS Form 7023 Site List

NOV [illegible] 2005

The following sites have been reported by the facility.

Registration Number: 31-R-0028
Customer Number: 234
Facility: CASE WESTERN RESERVE UNIVERSITY
10900 EUCLID AVE
CLEVELAND, OH 44106
(216) 368-4432

CASE WESTERN RESERVE UNIVERSITY
MEDICAL SCHOOL
10900 EUCLID AVE
CLEVELAND, OH 44106



Column E Explanation

This form is intended as an aid to completing the column E explanation. It is not an official form and its use is voluntary. Names, addresses, protocols, veterinary care programs, and the like are not required as part of an explanation. A Column E explanation must be written so as to be understood by lay persons as well as scientists.

1. **Registration number: 31-R-0028**
2. **Number of animals used in this study:**
3. **Species (common name) of animals used in this study:**
4. **Explain the procedure producing pain and/or distress.**
5. **Provide scientific justification why pain and/or distress could not be relieved. State methods or means used to determine than pain and/or distress would interfere with test results.**
6. **What, if any, federal regulations require this procedure? Cite the agency, the code of Federal Regulations (CFR) title number and the specific section number.**

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1. **Registration number: 31-R-0028**
2. **Number of animals used in this study:** 6
3. **Species (common name) of animals used in this study:** pig
4. **Explain the procedure producing pain and/or distress.**

   The purpose of this study involves the elucidation of metabolic alterations that occur in neonatal sepsis (infection). Young pigs instrumented with arterial and venous catheters implanted under general anesthesia and followed by post operative analgesia are used as the experimental model. The study is classified as Category E because after 4-7 days of surgical recovery, endotoxin is administered to conscious pigs to simulate physiologic conditions of sepsis. The nonlethal dose of endotoxin causes fever and malaise that persists for several hours.

5. **Provide scientific justification why pain and/or distress could not be relieved. State methods or means used to determine than pain and/or distress would interfere with test results.**

Anesthetics, analgesics and antipyretics may not be used to mitigate the fever and malaise induced by the endotoxin administration as they would alter the physiologic parameters assessed in this study.

6. **What, if any, federal regulations require this procedure? Cite the agency, the code of Federal Regulations (CFR) title number and the specific section number.**

   N/A

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1. **Registration number: 31-R-0028**
2. **Number of animals used in this study:** 3
3. **Species (common name) of animals used in this study:** dog
4. **Explain the procedure producing pain and/or distress.**

b4

5. **Provide scientific justification why pain and/or distress could not be relieved. State methods or means used to determine than pain and/or distress would interfere with test results.**

b4

6. **What, if any, federal regulations require this procedure? Cite the agency, the code of Federal Regulations (CFR) title number and the specific section number.**

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1. **Registration number: 31-R-0028**

2. **Number of animals used in this study:** 35

3. **Species (common name) of animals used in this study:** hamster

4. **Explain the procedure producing pain and/or distress.**

Hamsters are infected with the scrapie prion protein and observed for the development of neurodegerative disease.

5. **Provide scientific justification why pain and/or distress could not be relieved. State methods or means used to determine than pain and/or distress would interfere with test results.**

The study requires analysis of brain tissue taken from animals in the terminal stages of spongiform encephalopathy. No palliative treatment is available for spongiform encephalopathy. Animals are checked daily after the onset of symptoms. Animals ultimately lose the ability to move and feed themselves. Criteria for interventional euthanasia of severely ill hamsters have been established. Animals unable to ambulate and/or feed are euthanized.

6. **What, if any, federal regulations require this procedure? Cite the agency, the code of Federal Regulations (CFR) title number and the specific section number.**